

## **Resolution No. 2020 - 18**

### **WELLHEAD PROTECTION POLICY AND APPROVAL OF PLAN (PART 2)**

#### **PREAMBLE:**

##### **Statement of Purpose**

The purpose of this resolution is to approve the Wellhead Protection Plan for the City's wells which has been presented to the council of City of Appleton, Minnesota.

##### **Background**

Groundwater is an essential source of fresh water for the public water supply system of the City of Appleton.

Virtually any activity on the surface of the ground which involves hazardous substances may contaminate the groundwater. Once polluted, groundwater is difficult, and sometimes impossible, to clean. The natural microorganisms which help break down some pollutants on the surface of the ground and in the top soil layers are not present (or not present in sufficient quantities) in groundwater. The slow rates of groundwater flow, ranging from one foot per day to one foot in fifty years, limit dilution or dispersal of contaminants. Groundwater contaminated by today's land uses and activities may remain contaminated for hundreds of years.

The State Of Minnesota (Department of Health) Wellhead Protection Program is requiring all public water suppliers to develop local wellhead protection programs. A complete program submission includes the following key elements:

1. Identification of roles and responsibilities
2. Assessment of data elements
3. Delineation of Wellhead Protection Area(s)
4. Vulnerability assessment
5. Identification of potential sources of contamination
6. Establishment of management strategies for the Wellhead Protection Area
7. Evaluation program
8. Water supply contingency strategy
9. Review and comment by the public
10. Implementation of the Wellhead Protection Plan
11. Resolution of disputes
12. Enforcement

As defined by the Federal Safe Drinking Water Act, the wellhead protection area is "the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminants are reasonably likely to move toward and reach such water well or well field". In order to develop a wellhead protection plan, each of the twelve (12) above-mentioned elements must be addressed. The City has addressed all twelve elements.

**RESOLUTION:**

**WHEREAS,** the City of Appleton recognizes the importance of its groundwater supply as a natural resource used for drinking; and

**WHEREAS,** it is within the responsibility of the City of Appleton, as a public water supplier, to consider the health, safety and welfare of its customers; and

**WHEREAS,** the protection of current and potential future sources of groundwater used for drinking water is worthwhile from the standpoint of resource protection; and

**WHEREAS,** the City has been presented and has reviewed a plan from the City of Appleton wellhead protection team which details the locations of the potential contaminant sources within the wellhead protection area, identifies goals, opportunities, and action measures to address potential risks to groundwater quality, a plan to evaluate WHP plan implementation efforts by the City of Appleton, and an Emergency/Contingency Plan in the event of a water system disruption.

**NOW THEREFORE BE IT RESOLVED** that the City of Appleton does hereby agree to take action to: protect their well(s) or well field (s) recharge area(s) which have/has been determined in compliance with the State of Minnesota Wellhead Protection Program; and

**BE IT ALSO RESOLVED** that the City of Appleton does hereby agree that the Wellhead Protection Plan developed for the aforementioned Wellhead Protection Area, Drinking Water Supply Management Area for the City of Appleton wells and water supply aquifer is correct and accurate according to the best available information and will be submitted to the governing authority Minnesota Department of Health for review and approval; and

**BE IT FURTHER RESOLVED** that the City of Appleton does hereby agree to continue the wellhead protection planning process by implementing the plan which focuses resources on reaching the goals, objectives, and management for the contaminants of concern in addition to maintaining a effective Plan Evaluation Program and Emergency/Contingency Plan.

Adopted this 20<sup>th</sup> day of May, 2020.

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Dan L. Tosel, Mayor

Attest:

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Emma R. Haugen, Clerk/Treasurer